

Resource Summary Report

Generated by [NIF](#) on Aug 19, 2026

C57BL/6NJ

RRID:IMSR_JAX:005304

Type: Organism

Proper Citation

RRID:IMSR_JAX:005304

Organism Information

URL: <https://www.jax.org/strain/005304>

Proper Citation: RRID:IMSR_JAX:005304

Description: Mus musculus with name C57BL/6NJ from IMSR.

Species: Mus musculus

Synonyms: Black 6N. C57BL/6NCrJ. B6N

Notes: gene symbol note: crumbs family member 1; photoreceptor morphogenesis associated|NLR family; pyrin domain containing 12|cytoplasmic FMR1 interacting protein 2|Deletion; Chr 13; NIH 1|cytochrome c oxidase subunit 7A2 like; inbred strain: Crb1|Nlrp12|Cyfip2|Del(13)1N|Cox7a2l

Affected Gene: crumbs family member 1; photoreceptor morphogenesis associated|NLR family; pyrin domain containing 12|cytoplasmic FMR1 interacting protein 2|Deletion; Chr 13; NIH 1|cytochrome c oxidase subunit 7A2 like

Genomic Alteration: retinal degeneration 8|C57BL/6N|mutation 1; National Institutes of Health|Deletion; Chr 13; NIH 1|short

Catalog Number: JAX:005304

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C57BL/6NJ

Record Creation Time: 20250513T053649+0000

Record Last Update: 20260815T050601+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6NJ.

No alerts have been found for C57BL/6NJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 592 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Tamadonfar KO, et al. (2026) The Yeh pilus adhesin is equipped with an α -helical flap motif, which contributes to pectin adherence. *Science advances*, 12(2), eadz1301.

Yang Z, et al. (2026) Syndecan-1-targeted therapeutic antibody impairs macropinocytosis and elicits antitumor immunity in pancreatic cancer. *Cell reports. Medicine*, 7(2), 102613.

Jiang W, et al. (2026) Brainstem GLP-1 neurons modulate physiological satiation and drive sustained weight loss in obese mice. *Molecular metabolism*, 107, 102347.

Bandesh K, et al. (2026) Deep single-cell decoding of human pancreatic islets reveals T2D β -cell gene expression defects. *The EMBO journal*, 45(11), 3978.

Chen X, et al. (2026) SPACA4 regulates the structure and molecular basis of spermatid maturation and ultimately affects sperm quality in mice. *Asian journal of andrology*, 28(3), 310.

Stunault MI, et al. (2026) Ketogenic diet dampens excitatory neurotransmission by shrinking synaptic vesicle pools. *Cell reports*, 45(2), 116945.

Diaz-Jimenez D, et al. (2026) Timing of Glucocorticoid Treatment Dictates Glucocorticoid Receptor Actions Modulating the NLRP3-Inflammasome Activation in Macrophages. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 40(3), e71510.

Parab AR, et al. (2026) A Scalable Organoid Model of Urothelial Aging for Metabolic Interrogation, Infection Modeling, and Reversal of Age-Associated Changes. *Aging cell*, 25(2), e70391.

Galter I, et al. (2026) EchoVisuALL: From Echocardiography to Gene Discovery. *bioRxiv : the preprint server for biology*.

Davis XC, et al. (2026) Hepatic ketogenic insufficiency blunts exercise-induced energy expenditure and alters mitochondrial proteins in skeletal muscle. *Function (Oxford,*

England), 7(3), e0892025.

Kadam A, et al. (2026) Lactylation landscape of mitochondrial proteins in myocardial infarction. *Redox biology*, 94, 104226.

Frietze KK, et al. (2026) HIF-2 α induction in de novo lipogenesis in metabolic dysfunction-associated steatohepatitis is dependent on IL-21 signaling. *The Journal of biological chemistry*, 302(3), 111212.

Yanagawa M, et al. (2026) Development of Biocompatible Fatty Acid-Based Ionic Liquids for the Effective Topical Treatment of Periodontitis. *ACS omega*, 11(1), 1495.

Yokomura M, et al. (2026) Afatinib exerts an inhibitory effect on T cell-mediated cytotoxicity. *Cancer immunology, immunotherapy : CII*, 75(1), 33.

Helmy M, et al. (2026) High-quality mouse reference genomes reveal the structural complexity of the murine protein-coding landscape. *Cell genomics*, 6(2), 101074.

Gonzalez-Aponte MF, et al. (2026) Daily locomotor activity declines with tumor growth and disease progression in glioblastoma. *JCI insight*, 11(1).

Hammond T, et al. (2026) The FAM53C/DYRK1A axis regulates the G1/S transition of the cell cycle. *eLife*, 14.

Vicencio-Jimenez S, et al. (2026) Abnormal Hearing Phenotypes in "Ignorome" Knockout Mice as Predictors of Cognitive Dysfunction. *Genes, brain, and behavior*, 25(1), e70045.

Liu Y, et al. (2026) MALAT1 regulates human macrophage metabolism by interacting with HADHB. *iScience*, 29(3), 115107.

Kadam A, et al. (2026) Lactylation landscape of mitochondrial proteins in myocardial infarction. *bioRxiv : the preprint server for biology*.